Arbitrator (ARB-SI) ver.1.9
Quick Reference Guide

Officer Information ("LOGIN" Mode)

Register at the beginning of shift

[Register by "LOGIN" of SI]

(1) Select "LOGIN" tab and type all the information (Shift, Vehicle, Officer Name) at the beginning of shift.

(2) After completing all the information, press "APPLY" button to register it.

Shift Pattern
For DUI, traffic stop, etc. according to the officer

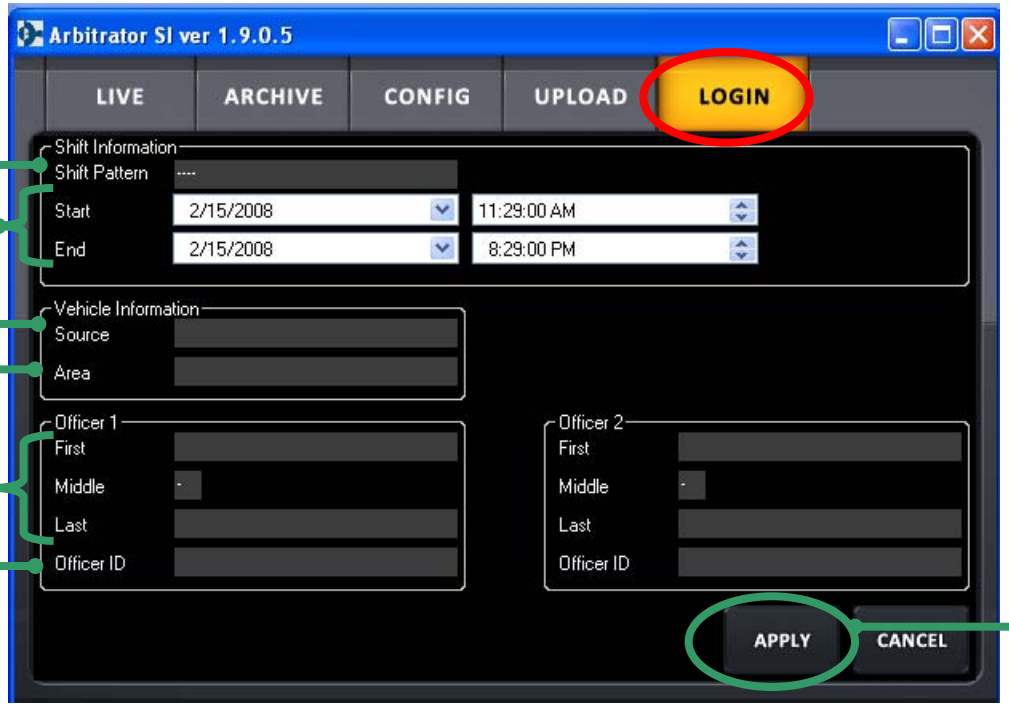
Start/End
For the start and end times of the shift

Source
For the vehicle ID

Area
For the general location of where the mobile unit resides

Officer 1, 2
For the names of Officers 1 & 2

OID (Officer ID)
For the IDs for Officers 1 & 2



Press this button after entering all the information.

“LIVE” Mode Menu for Officer

Select “LIVE” tab of SI (Front End Application) for live recording control.

Auto Zoom

Bookmark
While recording, users can create a bookmark by pressing this button

Backlight Compensation

W: Zoom Out
T: Zoom In

Advanced Camera
For camera and audio control

Video Information
For metadata and officer information

Status Information
For P2 card storage capacity and system messages

Pressing these buttons will expand more menus on the right side of screen.

REC Button

Stop Button

Audio 2 Mute
Mute 2nd audio by pressing on this button

IR Mode
(Auto/ON/OFF)

Camera Select
(Camera 1/2)

Snapshot
Get a still image of whatever the camera is currently viewing

“LIVE” Mode Menu for Officer

Pressing these buttons (“ADV CAM,” “INFO,” “STATUS”) will expand the menu on the right side.

ADV CAM (Advanced Camera)

For camera and audio control
(More detail in “Camera Control”)

INFO (Video Information)

(1) “META DATA” for GPS, Radar Gun, GPIO trigger information
(2) “OFFICER” for Source, Area, Shift time, Officer 1 & 2 information

Status (Status Information)

“Storage Capacity”:
Shows how much space has been taken on P2 card and how much time is remaining

“Status”:
Any system message, including errors, bookmark creation or snapshot will be displayed

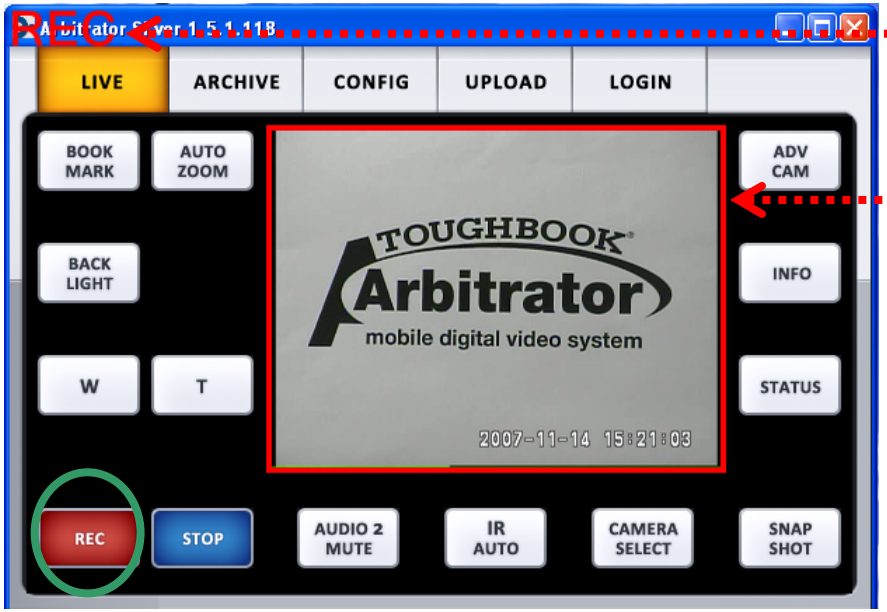
“LIVE” Mode - Record the Video

Press REC button for (1) VPU (P2 Recorder), (2) Camera (Rear Panel) or (3) “LIVE” tab of SI

***If the trigger is set, VPU will start recording automatically when the trigger is on.**

<VPU-P2 Recorder>

<Camera>



<SI-Front End Application>

When recording, users can see the viewing pane surrounded by a red highlight and the letters “REC” in the upper left corner of SI (Front End Application).

How to Stop Recording the Video?

(1) Press STOP button for VPU (P2 Recorder), or “LIVE” tab of SI.

(2) Keep pressing the Camera REC button for 2 seconds.

“LIVE” Mode - Camera Control

Auto Zoom

Backlight Compensation

W: Zoom Out
T: Zoom In

IR Mode
(Auto, On, Off)

Snapshot

Camera Select

Backlight Compensation

W: Zoom Out
T: Zoom In

Auto Zoom

Pressing “ADV CAM” button for camera and audio control will expand another menu on the right side.
***Initial LPR mode is disabled.**

Camera LED
The camera REC LED will light up Red when it is on

Auto Exposure
To set up the brightness of the picture

Focus Control
To configure the sharpness of the image manually (Near/Far) or automatically

Audio 2 Select
1. **“IN CAR” for in-car mic (Mic in)**
2. **“WMIC” for 2nd wireless mic (Audio 2 in)***
3. **“LINKCAM” to change the Audio 1 or 2 by linking with the camera changes,**

***Audio 1 for wireless mic 1 (Audio 1 in)**

“LIVE” Mode - Camera Control
for LPR (License Plate Recognition) users

This camera control is for LPR (License Plate Recognition) users. In order to use LPR mode, the administrator needs to set up “Init LPR Mode” as “Enable” in Admin/Camera menu.

[When the recording is being STOPPED in “LIVE” mode]
1) [LPR Mode] is set to “LPR”

Select “LPR” for LPR ON, or “PATROL” for LPR OFF

Select “AUTO,” “1/500” or “1/1000”

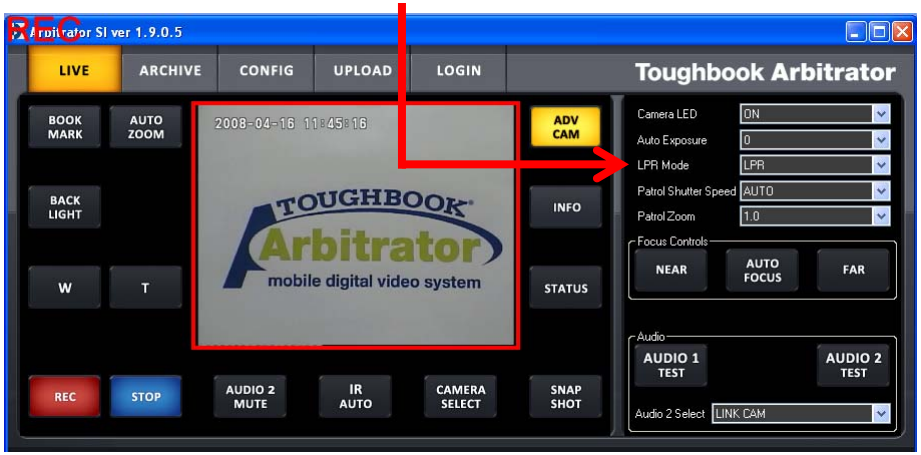
Select “AUTO,” “1/100,” “1/500” or “1/1000”

Set x1.0 to x22.0

2) [LPR Mode] is set to “PATROL”

LPR OFF

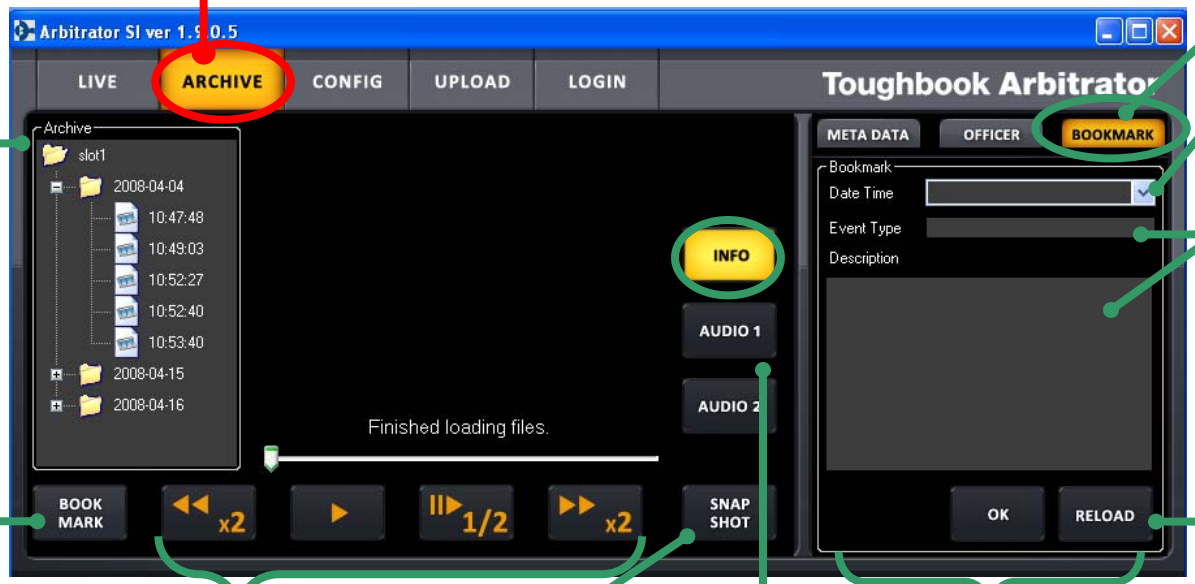
[When the “LIVE” screen is being RECORDED]
1) [LPR Mode] is set to “LPR”



2) [LPR Mode] is set to “PATROL”

“ARCHIVE” Mode Menu - Play Back the Recorded Video

Select “ARCHIVE” tab of SI to view the recorded video.



Archive
List all the files available for playback on VPU. Double clicking the file will begin playing the selected file in the display area

Bookmark
Create a bookmark when viewing the video by pressing this button

Playback Control
Rewind, Pause, Slow and Fast Forward

Snapshot
Make a still image of whatever camera is currently viewing

Audio
These buttons mute Audio 1 or 2

Bookmark

Date/Time
A drop-down list containing all the bookmarks for the selected file

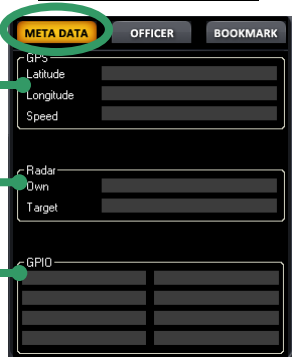
Event Type/ Description
User can enter free-form text into this field, which will be a searchable descriptor in Back End Application

OK
Saves the edits or additions made to Bookmark

Reload
Changes back to the original format before the recent changes

Pressing “INFO” button will expand the screen that can be viewed for “META DATA,” “OFFICER” and “BOOKMARK”

“META DATA”

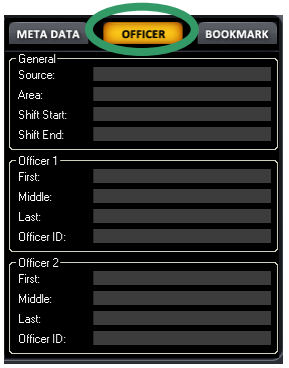


GPS Information

Radar Gun Information

GPIO (Trigger)
Show max. 8 triggers configured for the system

“OFFICER”



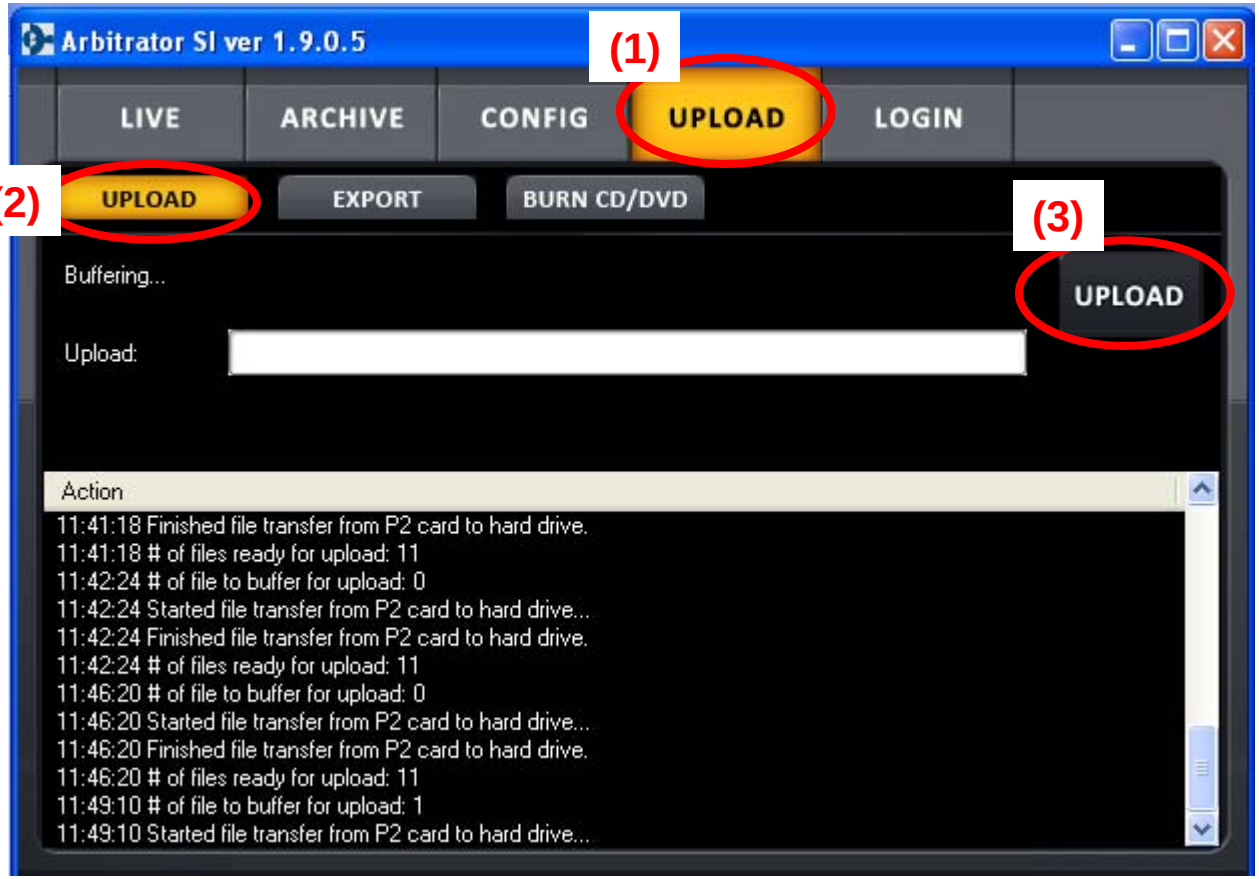
Officer Information
Including Source, Area, Shift time, Officer 1, 2 as metadata

“UPLOAD” Mode Menu

For “Manual”* wireless upload, select (1) “UPLOAD” tab and press “UPLOAD” button (2), (3).

For “Auto”* wireless upload, NO need to go to this “UPLOAD” menu; video will be automatically uploaded once getting into wireless network range.

***If the administrator sets up “Use Auto Upload” as “False” at “CONFIG” menu, it will be “Manual” upload.**
If it is set up as “True,” it will be “Auto” upload.


Arbitrator SI ver 1.9.0.5
(1)
LIVE
ARCHIVE
CONFIG
UPLOAD
LOGIN
(2)
UPLOAD
EXPORT
BURN CD/DVD
(3)
Buffering...
UPLOAD
Upload:
Action
11:41:18 Finished file transfer from P2 card to hard drive.
11:41:18 # of files ready for upload: 11
11:42:24 # of file to buffer for upload: 0
11:42:24 Started file transfer from P2 card to hard drive...
11:42:24 Finished file transfer from P2 card to hard drive.
11:42:24 # of files ready for upload: 11
11:46:20 # of file to buffer for upload: 0
11:46:20 Started file transfer from P2 card to hard drive...
11:46:20 Finished file transfer from P2 card to hard drive.
11:46:20 # of files ready for upload: 11
11:49:10 # of file to buffer for upload: 1
11:49:10 Started file transfer from P2 card to hard drive...

“RESTORE” Mode Menu

“RESTORE” button will appear in the tab of SI when the video file is corrupted* and cannot be played back.

***Video file corruption can occur when the power to the VPU is lost or turned off while recording, or when a P2 card is removed while recording**

1. **Select “RESTORE” tab (1) of SI and press “RESTORE” button (2) to solve the file corruption and restore the file.**
2. **Then, “RESTORE” button will disappear and the file will be restored.**

Control Reference Guide
Front Camera (AG-CK10P)

Rear Panel LED Control

Backlight Compensation
to make it brighter

Connector for VPU

T(TELE) for Zoom In
W(WIDE) for Zoom Out

Auto Zoom
Camera Control

REC START and STOP

***Pressing this button for more than 2 seconds will stop recording.**

REC LED
Lights up in RED
while recording

SUN Shade

Control Reference Guide
P2 Recorder - VPU (AG-CPD15P)

Key Lock
Locks and unlocks
the P2 card slot cover

P2 Card Slot Cover

REC LED

REC Button

STOP Button

READY Lamp
Lights up when
recording is ready

BUSY Lamp
Lights up or flashes
while a P2 card is being accessed

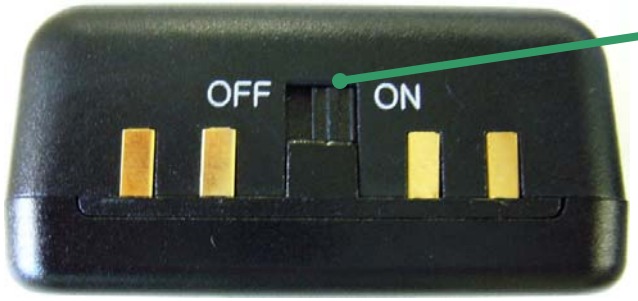
P2 Card Slot 1, 2

Control Reference Guide
Digital Wireless Microphone TX and RX (CCR24PNA)

Transmitter (TX) with Receiver (RX)

Transmitter (Top View)

Transmitter (Bottom View)



Please refer to CCR24PNA User Guide for more operation information

Control Reference Guide
(CCR24PNA Vibration / LED Indication)

Mode Selection	when Tx is ready	when Tx is under recording mode	when Tx is under "Low Battery" status	when Tx is under "Out Of Range" status	when Mute is initiated
Vibration and LED	No Vibration	Vibration (one time only)	Vibration (1 time per second)	Vibration (2 times per 3 seconds)	Vibration (1 time per 5 seconds)
	GREEN On	**GREEN Blink**	**RED Blink**	**RED On**	Tx is not recording: **GREEN On** & **RED Fast Blink** ---------- Tx is under recording: **GREEN Blink** & **RED Fast Blink**
Vibration Only	No Vibration	Vibration (one time only)	Vibration (1 time per second)	Vibration (2 times per 3 seconds)	Vibration (1 time per 5 seconds)
None	No Vibration No LED				

1. **Default mode when power on.**
2. **After synchronized, the mode goes back to the last.**
3. **Please refer to CCR24PNA User Guide for more operation information**